

Office of the State Energy Manager

Presentation for the State Energy Strategy Advisory Council
November 5th, 2013

Who We Are

Department of Administrative Services

- Karen Rantamaki, State Energy Manager
- Jackie Hanscome, Energy Project Manager

Office of Energy and Planning

- Susan Thorne, State Energy Program Associate
- Brandy Chambers, Energy Analyst

Department of Environmental Services

What We Do

- Work to meet goals of Executive Orders
- Energy projects for State agencies
- Data management and reporting
- Bulk energy contracts
- Conservation Plans
- Technical assistance and training
- Energy related resources

Executive Order 2011-1

- Reduce fossil fuel usage in state buildings 25% by 2025 (baseline 2005)
 - Codified in RSA 21-l:14-c
- Interagency Energy Efficiency Committee
 - Monthly meetings
 - Yearly energy conference
- High Performance Design Standard
 - All new construction & renovations

Energy Projects– Capital Funds

- Over last 4 years >\$13 million invested
 - Average 5.5 year payback
- Still millions of dollars of cost-effective investments that could be made

Energy Projects- Details

- Many lighting projects
 - Indoor, outdoor, HE fluorescent, LED, induction
- Some boiler and HVAC replacements
- Some weatherization
 - Insulation, window treatments, air sealing, etc.
- Appliances
 - Washing machines, dishwashers
- Renewable energy
 - Including biomass and solar thermal

Energy Projects- ESCos

- Restarting use of performance contracts with Energy Service Companies (ESCos)
 - One RFP under review, one awaiting proposals
 - Plans for 3 to 5 more projects over next several years
 - No upfront cost, savings are guaranteed
 - Does require staff time
 - More staff → More projects faster → Greater overall savings

Data Management and Reporting

- Manage the statewide database with over 700 buildings and thousands of utility accounts
- Why is it important?
 - Allows agencies to manage their buildings and energy use
 - Saves money by catching billing errors
 - Used as a resource for putting together statewide contracts (NG, electric, DR, etc)

Conservation Plans

- Required by RSA 21-l:14-c and EO 2011-1
- Identifies agency properties, energy measures completed, and proposed energy measures still to be done
 - Every measure identified is an opportunity to save money
- Rolled into statewide plan, used for planning purposes

Technical Assistance and Training

- Assist agencies with energy savings calculations and identifying potential projects
 - Agencies lack in-house expertise
- Sunspot page and blogs with tips and links to training opportunities
- State sponsored training
 - Build long-term skills within agencies, identify & undertake projects more quickly, maintain efficiency

Knowledge Sharing

- Presence on State Intranet
 - <http://sunspot.nh.gov/energysystem/default.aspx>
- Bright Ideas – semi annual newsletter
- Agencies can share success stories through blog
- Networking for facility maintenance staff
- Difficulty breaking into public sphere to publicize success

Lead by Example

- Important for state to send the message that NH is serious about efficiency
- Example to private sector as well as cities and towns

Questions

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